PERMIT AMENDMENT NO. 3295-165-0012-V-03-3 ISSUANCE DATE: 06/13/2022



ENVIRONMENTAL PROTECTION DIVISION

Air Quality - Part 70 Operating Permit Amendment

Facility Name: U.S. Silica Company

Facility Address: 3949 Highway 17 S

Millen, Georgia 30442 (Jenkins County)

Mailing Address: 3949 Highway 17 S

Millen, Georgia 30442

Parent/Holding Company: U.S. Silica Company

Facility AIRS Number: 04-13-165-00012

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a construction permit for:

Install and operate one raw material sand silo and associated conveying equipment.

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division. The Division will issue a letter when this Operating Permit amendment is finalized.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Amendment and Permit No. 3295-165-0012-V-03-0. Unless modified or revoked, this Amendment expires upon issuance of the next Part 70 Permit for this source. This Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in App No. TV-641704 dated March 7, 2022; any other applications upon which this Amendment or Permit No. 3295-165-0012-V-03-0 are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 6 pages.



Richard E. Dunn, Director Environmental Protection Division

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U.S. Silica Company Permit No.: 3295-165-0012-V-03-3

PART 1.0 FACILITY DESCRIPTION

1.3 Process Description of Modification

U.S. Silica Company is proposing to install and operate one raw material sand silo and associated conveying equipment to allow for increased storage required in part by potential transportation and supply chain issues. The proposed silo will store raw sand and the conveying equipment will be used to transfer the sand between the new silo and other process equipment. Emissions from the new equipment will be controlled by existing control devices.

In addition, U.S. Silica is requesting several nomenclature changes due to errors in the current version of the permit. However, the nomenclature used for the baghouses in the permit needs to be updated in order for it to be listed correctly.

PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1.1 Additional Emission Units

Emission Units		Specific Limitations/Requirements Air Pollution Control		Control Devices
ID No.	Description	Applicable Requirements/Standards	ID No.	Description
SD01	Spray Dryer No.	391-3-102(2)(b) 391-3-102(2)(g) 391-3-102(2)(p)1 40 CFR 60, Subpart UUU 112(g) case-by-case MACT, 40 CFR 63, Subpart B	SB01, SB02, SB03, SB04	Baghouses
SD02	Spray Dryer No.		SB05, SB06, SB07, SB08	Baghouses
KLN1	Kiln No. 1	391-3-102(2)(b) 391-3-102(2)(g) 391-3-102(2)(p)1 40 CFR 60, Subpart UUU 112(g) case-by-case MACT,	KB01, KB02, KB03, KB04	Baghouses
		40 CFR 63, Subpart B	137	Emergency Exhaust Damper
DSB1	Spray Dryer No. 1 Feed Bin			
DUB1	Spray Dryer No. 1 Unders Bin			
DSB2	Spray Dryer No. 2 Feed Bin			
DUB2	Spray Dryer No. 2 Unders Bin			
BEC1	Kiln No. 1 Bucket Elevator Conveyor			
GTC1	Green Pellet Transfer Conveyor No. 1	391-3-102(2)(b)		WI N 16
GEC1	Kiln No. 1 Green Bucket Elevator	391-3-102(2)(e) 391-3-102(2)(n)	GPB1	Kiln No. 1 Green Pellet Nuisance
GPE2	Rescreen Bucket Elevator	391-3-102(2)(p)1 40 CFR 60, Subpart OOO		Dust Baghouse 1
CH1	CRG Hopper No.			
CSC1	Green Screen No. 1-1			
CSC2	Green Screen No. 1-2			
CSC3	Green Screen No. 1-3			
CVF1	Crusher Vibrating Feeder			
CRG2	CRG Roll Crusher			

OBC1 Collection Belt Conveyor No. 1 OR81 Oversize Surge Bin No. 1 RSH1 RESCREEN Surge Hopper UVC1 UVC1 Vibratory Conveyor No. 1 UVC1 URC1 Reversible Belt Conveyor No. 1 URC1 Reversible Belt Conveyor No. 1 KIR NO. 1 CRG Feed Bin Bucket Elevator KRE1 Feed Bin B Elevator KIR MI M. 1 CRG Crusher AVC1 Vibratory Conveyor No. 1 WBF1 Wiln No. 1 CRG Crusher AVC1 Vibratory Conveyor No. 1 KIR No. 1 CRG Weigh Belt Feeder No. 2 Weigh Belt Feeder No. 2 Weigh Belt Feeder No. 1 KRB1 RRN 1 CRG Refree Bin No. 1 KRB1 RRN 1 CRG Refree Bin No. 1 KRB2 Cristobalite Feed Bin No. 1 KIR No. 1 CRG Refree Bin No. 1 KIR No. 1 CRG Refree Bin No. 1 KRB2 Cristobalite Feed Bin No. 1 KRB2 Cristobalite Silo Conveyor KRD2 KIIN No. 1 Cristobalite Feed Conveyor KRD2 KIIN No. 1 Cristobalite Feed Conveyor KRD2 KIIN No. 1 Cristobalite Silo Conveyor KRD2 KIIN No. 1 Cristobalite Silo Conveyor KRD2 KIIN No. 1 Cristobalite Silo Conveyor KRD2 KIIN No. 1 Cristobalite Feed Conveyor KRD3 Cristobalite Filo Conveyor KRD3 Cristobalite Silo Conveyor KRD3 Cristobalite Filo Conveyor KRD4 Cristobalite Filo Conveyor KRD4 Cristobalite Filo Conveyor KRD5 Conveyor No. 1 KRD5 Conveyor No. 1 KRD7 CROPPOR NO. 1 KRD7 CROPPOR NO. 1 KRD7 CROPPOR NO. 1 KRD7 CROPPOR NO. 1 KRD7 CROPP					
Conveyor No. 1		Oversize			
ORB1	OBC1	Collection Belt			
ORB1		Conveyor No. 1			
RSH1					
RSH1	ORB1				
Hopper					
UVC1 Unders Collection Vibratory Conveyor No. 1 Under Reversible Belt Conveyor No. 1 KFE1 Red Bin Bucket Elevator KC1 Kilin No. 1 CRG Feed Bin B Elevator KC1 Kilin No. 1 CRG Crusher ACCepts Vibratory Conveyor No. 1 Kilin No. 1 CRG WBF1 Weigh Belt Feeder No. 1 Kilin No. 1 CRG Weigh Belt Feeder No. 2 KFB1 Kilin No. 1 CRG Weigh Belt Feeder No. 2 KFB1 Kilin No. 1 CRG Refree Bin No. 1 KRB1 Kilin No. 1 CRG Refree Bin No. 1 KRB2 Kilin No. 1 Cristobalite Feed Bin No. 1 Cristobalite Feed Bin No. 1 KRB2 Kilin No. 1 Cristobalite Feed Bin No. 1 KRB2 Kilin No. 1 Cristobalite Feed Bin No. 1 KRB2 Kilin No. 1 Cristobalite Feed Bin No. 1 Cristobalite Feed Bin No. 2 Kilin No. 1 Cristobalite Feed Bin No. 1 Cristobalite Feed Bin No. 2 Kilin No. 1 Cristobalite Feed Bin No. 1 KRC2 Feed Bin No. 1 KIII No. 1 Cristobalite Feed Bin No. 1 KRC2 Conveyor Kilin No. 1 Cristobalite Feed Bin No. 1 KRC2 Cristobalite Feed Bin No. 1 KRC2 Cristobalite Feed Bin No. 1 KRC3 Kilin No. 1 Cristobalite Feed Bin No. 1 KIII No. 1 Cristobalite Feed Bin No. 1 KIII No. 1 Cristobalite Feed Bin No. 1 KIII No. 1 Cristobalite KRC2 Cronveyor Kilin No. 1 Cristobalite KRC2 Cronveyor KIII No. 1 Cristobalite Cristobal	RSH1				
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URC1					
URC1					
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KC1	KVET				
Number					
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RRB1	KFB1				
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KM3 Cristobalite Flux		Conveyor			
		Kiln No. 1			
	кмз	Cristobalite Flux			
		Mixer			

	Kiln No. 1			
WBF3	Cristobalite			
WBF3	Weigh Belt			
	Feeder No. 1			
	Kiln No. 1			
	Cristobalite			
WBF4	Weigh Belt			
	Feeder No. 2			
	Raw Sand			
206-BCV-835*	Transfer			
	Conveyor			
	Raw Sand Feed			
206-BCV-855*	Belt Conveyor 1			
	Raw Sand Feed			
206-BCV-860*	Belt Conveyor 2			
	Kiln No. 1 CRG			
WBF1	Cooler Bucket			
AARLT				
	Elevator	204.2.4.02/2\//.\		
KPS1	Kiln No. 1 CRG	391-3-102(2)(b)		
	Product Screen	391-3-102(2)(e)	I/AID4	D'
W001	Kiln No. 1	391-3-102(2)(n)	KNB1	Baghouse
KQC1	Product QC Bin	391-3-102(2)(p)1		
	A	40 CFR 60, Subpart OOO		
	Kiln No. 1			
KQC2	Product QC Bin			
	В			
	Kiln No. 1			
KCE2	Cristobalite			
KCLL	Cooler Bucket			
	Elevator			
	Kiln No. 1			
KPS2	Cristobalite			
	Product Screen			
	Kiln No. 1			
VOCE.	Cristobalite			
KQC5	Product QC Bin			
	A	391-3-102(2)(b)		779 37 4
	Kiln No. 1	391-3-102(2)(e)		Kiln No. 1
KOCC	Cristobalite	391-3-102(2)(n)	KNB2	Cristobalite
KQC6	Product QC Bin	391-3-102(2)(p)1		Nuisance Baghouse 2
	В	40 CFR 60, Subpart OOO		Dagnouse 2
	Kiln No. 1			
KCC3	Cristobalite			
KCS3	Product Screen			
	DPCS			
	Kiln No. 1			
1405 5	Cristobalite			
KCS4	Fines Screen			
	DPCS			
00001	Crossover Screw			
COSC1	Conveyor			
	,	391-3-102(2)(d)		
		391-3-102(2)(d)		
BLR1	Boiler No. 1	40 CFR 63, Subpart DDDDD	N/A	N/A
		112(g) case-by-case MACT, 40 CFR 63,	, ,	,
		Subpart B		
		391-3-103(6)(b)(v)(11)(1)		
EDG1	Emergency		N/A	N/A
	Generator No.1	40 CFR 63, Subpart ZZZZ		

EDG2	Emergency Generator No.2	40 CFR 60, Subpart IIII		
TL1	Truck Loadout			
	No. 1			
	Kiln No. 1			
KLE1	Loadout			
	Belt/Bucket			
	Elevator			
	Kiln No. 1 CRG	391-3-102(2)(b)		
KLC1	Loadout	391-3-102(2)(e)		
	Conveyor	391-3-102(2)(n)	PLB1	Baghouse
	Kiln No. 1	391-3-102(2)(p)1		
KLC2	Cristobalite	40 CFR 60, Subpart OOO		
RLCZ	Loadout			
	Conveyor No. 1			
	Kiln No. 1			
KLC3	Cristobalite			
KLCS	Loadout			
	Conveyor No. 2			
DC4.4	Bulk CRG		DD44	Dia Mant Ellean
BS11	Product Silo 1-1	204.2.4.02/2\/ \	BB11	Bin Vent Filter
DC4.2	Bulk CRG	391-3-102(2)(b)	DD4.2	Dia Mant Filton
BS12	Product Silo 1-2	391-3-102(2)(e)	BB12	Bin Vent Filter
2010	Bulk CRG	391-3-102(2)(n)	2212	51 11 151
BS13	Product Silo 1-3	391-3-102(2)(p)1	BB13	Bin Vent Filter
	Bulk CRG	40 CFR 60, Subpart OOO		
BS14	Product Silo 1-4		BB14	Bin Vent Filter
	Bulk Cristobalite			
BS21	Product Silo 1-1		BB21	Bin Vent Filter
	Bulk Cristobalite	391-3-102(2)(b)		
BS22	Product Silo 1-2	391-3-102(2)(e)	BB22	Bin Vent Filter
	Bulk Cristobalite	391-3-102(2)(n)		
BS23	Product Silo 1-3	391-3-102(2)(p)1	BB23	Bin Vent Filter
	Bulk Cristobalite	40 CFR 60, Subpart OOO		
BS24	Product Silo 1-4		BB24	Bin Vent Filter
	110000014	201.2.1.02/2Vb)		
		391-3-102(2)(b)		
A C O 1	PVA Silo No. 1	391-3-102(2)(e)	A D O 1	Die Mant Filter
AS01	PVA SIIO NO. 1	391-3-102(2)(n)	AB01	Bin Vent Filter
		391-3-102(2)(p)1		
		40 CFR 60, Subpart OOO		
	Kiln No. 1	391-3-102(2)(b)		
KS2	Cristobalite Silo	391-3-102(2)(b) 391-3-102(2)(e)		
	Cristobalite 3ilo		CCD1	Die Mant Filter
		391-3-102(2)(n)	CSB1	Bin Vent Filter
206-SIL-840**	Raw Sand Silo 2	391-3-102(2)(p)1		
		40 CFR 60, Subpart OOO		
		201.2.1 02/2\/\\		
		391-3-102(2)(b)		
STR	Sand Truck	391-3-102(2)(e)	NI/A	NI/A
318	Receiving	391-3-102(2)(n)	N/A	N/A
3111		391-3-102(2)(p)1		
3111		40 CED CO C 000		1
		40 CFR 60, Subpart OOO		
J	Kilo N. a. 4	40 CFR 60, Subpart OOO 391-3-102(2)(b)		
	Kiln No. 1	· · · · · · · · · · · · · · · · · · ·		
KTR1	Cristobalite	391-3-102(2)(b)	N/A	N/A
		391-3-102(2)(b) 391-3-102(2)(e)	N/A	N/A

KSBE1	Kiln No. 1 Cristobalite Silo Bucket Elevator	391-3-102(2)(b) 391-3-102(2)(e) 391-3-102(2)(n) 391-3-102(2)(p)1 40 CFR 60, Subpart OOO	N/A	N/A
KQC3	Kiln No. 1 QC Bin Conveyor			
MBE1	Mixing Bucket Elevator	391-3-102(2)(b) 391-3-102(2)(e)	CDB1	Daghausa
KM1	Kiln No. 1 CRG Mixer	391-3-102(2)(n) 391-3-102(2)(p)1 40 CFR 60, Subpart OOO	CDRI	Baghouse
KB1	Kiln No. 1 CRG Binder	40 CFR 60, Subpart OOO		
KBBE1	Kiln No. 1 Bagging Bucket Elevator No. 1	391-3-102(2)(b)		
KSB1	Kiln No. 1 CRG Storage Bin No. 1			
CSS1	Coating Dryer Scalping Screen	391-3-102(2)(e) 391-3-102(2)(n)	PSB1	Baghouse
KBBE2	Kiln No. 1 Bagging Bucket Elevator No. 2	391-3-102(2)(p)1 40 CFR 60, Subpart OOO		
KSB2	Kiln No. 1 CRG Storage Bin No. 2			

^{**} New equipment to be constructed with this project.

^{*} Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards and corresponding permit conditions are intended as a compliance tool and may not be definitive.